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Celanese
The chemistry inside innovation™

FORPRENE® NEUTRO 6NM001A55/I - TPV

Physical properties	Value	Unit	Test Standard
Density	**940**	kg/m³	ISO 1183

Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile stress at 100% strain	**1.7**	MPa	ISO 37
Tensile stress at 300% strain	**3.1**	MPa	ISO 37
Tensile strain at break (TPE)	**407**	%	ISO 37
Tensile stress at break (TPE)	**4.1**	MPa	ISO 37
Shore A hardness, 15s	**55**	-	ISO 868
Tear strength	**17**	kN/m	ISO 34-1

Typical injection moulding processing conditions

Temperature	Value	Unit	Test Standard
Zone1 temperature	**155 - 165**	°C	-
Zone2 temperature	**165 - 175**	°C	-
Zone3 temperature	**175 - 185**	°C	-
Nozzle temperature	**180 - 190**	°C	-
Mold temperature	**20 - 40**	°C	-

Other text information

Pre-drying

3h@80C

Longer pre-drying times/storage

Forprene must be stored indoors in the original, unopened and undamaged packaging, away from direct sunlight, moisture and heat.